

Patent Abstracts of Japan

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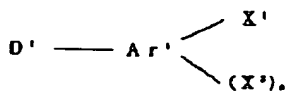
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APPLICANT : IDEMITSU KOSAN CO LTD;

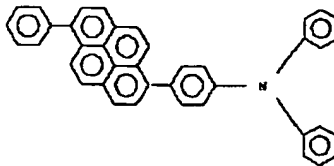
INVENTOR : ARAI HIROMASA;

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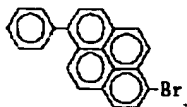
TITLE : AMINO OR STYRYL COMPOUND AND
ORGANIC ELECTROLUMINESCENT
ELEMENT USING THE SAME



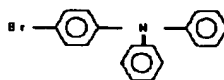
I



II



III



IV

ABSTRACT : PROBLEM TO BE SOLVED: To obtain a new amino or styryl compound which gives organic electroluminescent elements having excellent heat resistance and long lives.

SOLUTION: A compound of formula I (Ar¹ is a 6-30C divalent or trivalent aromatic group; X¹ and X² are each styryl, a styrylaryl, a diarylamino or a diarylaminoaryl; (n) is 0 or 1; D¹ is a 16-60C monovalent group having four or more carbon rings, when either of X¹ or X² is styryl or styrylaryl, or a 20-60C monovalent aromatic group having five or more carbon rings, when X¹ and X² are each the other). For example, a compound of formula II. The compound of formula I is obtained by preparing a Grignard reagent from a compound of formula III and then reacting the Grignard reagent with a compound of formula IV and Ni(dppp)Cl₂ in anhydrous tetrahydrofuran.

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